

ABSTRACT

The present invention provides novel microorganisms that directly biodegrade polylactide resins and plastics containing the same as well as a method therefor. Specifically, the present invention provides a method for degrading polylactide resins, wherein the polylactide resins are degraded by an actinomycete belonging to the genus *Saccharothrix*, *Streptoalloteichus*, *Kibdelosporangium*, *Lentzea*, *Actinokineospora*, *Saccharomonospora*, *Saccharopolyspora*, or *Actinopolyspora*.

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